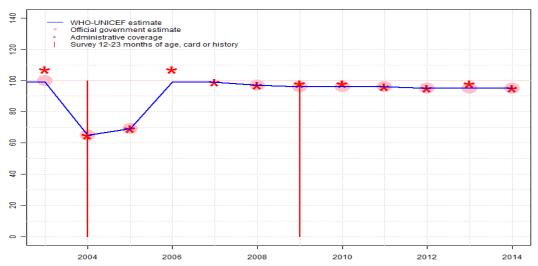


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WHO and UNICEF estimates of national immunization coverage - next revision available July $15,\,2016$





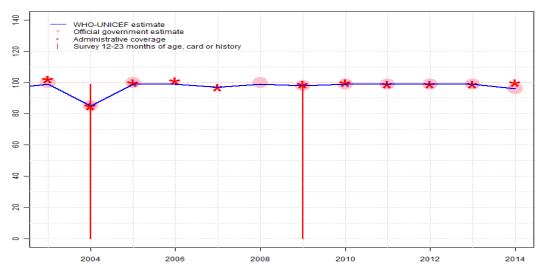
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	65	69	99	99	97	96	96	96	95	95	95
Estimate GoC	•	•	•	•	•••	•••	•••	•••	•••	•	•	•
Official	100	65	69	NA	NA	97	96	96	96	95	95	95
Administrative	107	65	69	107	99	97	98	98	96	95	98	95
						NA		NA	NA	NA		NA

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- •• Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2003: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2004: Estimate based on coverage reported by national government. Kazakhstan Multiple Indicator Cluster Survey 2006 results ignored by working group. Survey may be conducted in a period that does not reflect vaccine shortage. Decline is the result of five months of vaccine stock out. Estimate challenged by: S-
- 2005: Decline is the result of five months of vaccine stock out. MICH 2006 survey result represents catch-up following 2004-2005 stock out. Estimate challenged by: S-
- 2006: MICH 2006 survey result represents catch-up following 2004-2005 stock out. Reported data excluded. 107 percent greater than 100 percent. Estimate challenged by: R-S-
- 2007: Estimate based on reported administrative data. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 100 percent based on 1 survey(s). GoC=R+S+D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-





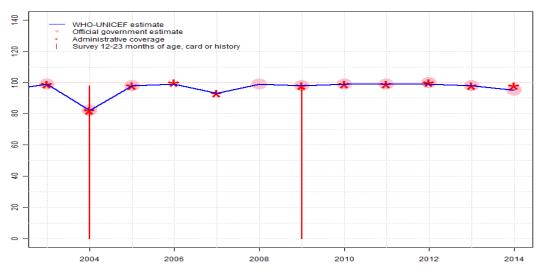
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	85	99	99	97	99	98	99	99	99	99	96
Estimate GoC	•	•	•	•	••	••	•••	•••	•••	•	••	•
Official	100	85	100	NA	NA	100	98	99	99	99	99	96
A	102	85	100	101	97	NA	99	100	99	99	99	100
Administrative	102	00	100	101	91	11171	99	100	99	0.0	00	100

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2003: Reported data calibrated to 1997 and 2009 levels. Estimate challenged by: S- $\,$
- 2004: Reported data calibrated to 1997 and 2009 levels. Kazakhstan Multiple Indicator Cluster Survey 2006 results ignored by working group. Survey may be conducted in a period that does not reflect vaccine shortage. Decline results from three month vaccine stock out. Estimate challenged by: S-
- 2005: Reported data calibrated to 1997 and 2009 levels. Estimate challenged by: S-
- 2006: DTP1 coverage estimated based on DTP3 coverage of 100. Reported data excluded. 101 percent greater than 100 percent. Estimate challenged by: R-S-
- 2007: Reported data calibrated to 1997 and 2009 levels. GoC=S+ D+
- 2008: Reported data calibrated to 1997 and 2009 levels. GoC=S+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: DTP1 coverage estimated based on DTP3 coverage of 100. Estimate challenged by: R-
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-





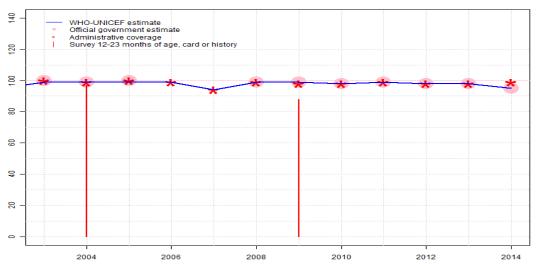
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	82	98	99	93	99	98	99	99	99	98	95
Estimate GoC	•	•	•	•	•••	••	•••	•••	•••	••	••	•
Official	99	82	98	NA	NA	99	98	99	99	100	98	95
Administrative	99	82	98	100	93	NA	98	99	99	100	98	98
Survey	NA	98	NA	NA	NA	NA	97	NA	NA	NA	NA	NA

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- •• Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2003: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2004: Estimate based on coverage reported by national government. Kazakhstan Multiple Indicator Cluster Survey 2006 results ignored by working group. Survey may be conducted in a period that does not reflect vaccine shortage. Kazakhstan Multiple Indicator Cluster Survey 2006 card or history results of 98 percent modified for recall bias to 99 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 96 percent and 3d dose card only coverage of 96 percent. Decline results from three month vaccine stock out. Estimate challenged by: S-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2006: Estimate based on reported administrative data. Estimate challenged by: S- $\,$
- 2007: Estimate based on reported administrative data. GoC=R+S+D+
- 2008: Estimate based on coverage reported by national government. GoC=R+S+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 98 percent based on 1 survey(s). Multiple Indicator Cluster Survey in the Republic of Kazakhstan 2010-2011 card or history results of 97 percent modified for recall bias to 98 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 95 percent and 3d dose card only coverage of 94 percent. GoC=R+S+D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-





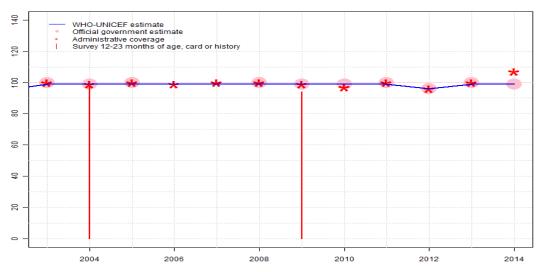
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	99	99	99	94	99	99	98	99	98	98	95
Estimate GoC	••	•••	•••	•••	•••	•••	•••	•••	•••	••	••	•
Official	100	99	100	NA	NA	99	99	98	99	98	98	95
Administrative	100	99	100	99	94	99	98	98	99	98	98	99
Survey	NA	97	NA	NA	NA	NA	88	NA	NA	NA	NA	NA

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2003: Reported data calibrated to 1997 and 2004 levels. GoC=S+
- 2004: Estimate based on coverage reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). Kazakhstan Multiple Indicator Cluster Survey 2006 card or history results of 97 percent modified for recall bias to 99 percent based on 1st dose card or history coverage of 100 percent, 1st dose card only coverage of 95 percent and 3d dose card only coverage of 95 percent. GoC=R+S+D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2006: Estimate based on reported administrative data. GoC=R+ S+ D+
- 2007: Estimate based on reported administrative data. GoC=R+S+D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 1 survey(s). Multiple Indicator Cluster Survey in the Republic of Kazakhstan 2010-2011 card or history results of 88 percent modified for recall bias to 89 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 96 percent and 3d dose card only coverage of 86 percent. GoC=R+S+D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-





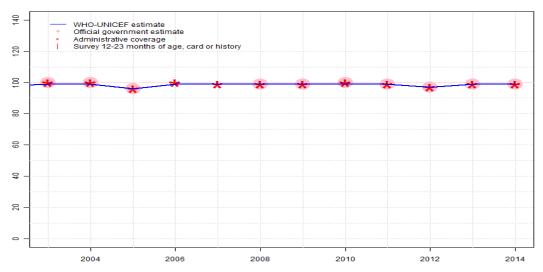
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	99	99	99	99	99	99	99	99	96	99	99
Estimate GoC	•	•	•	•••	•••	•••	•••	•••	•••	••	••	•
Official	100	99	100	NA	NA	100	99	99	100	96	100	99
Administrative	100	99	100	99	100	100	99	97	100	96	100	107
Survey	NA	99	NA	NA	NA	NA	94	NA	NA	NA	NA	NA

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on reported administrative data. GoC=R+S+D+
- 2007: Estimate based on reported administrative data. GoC=R+S+D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+ $\,$
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-





	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	99	96	99	99	99	99	99	99	97	99	99
Estimate GoC	•	•	•	•	•	•	•	•	•	•	••	••
Official	100	100	96	NA	NA	99	99	100	99	97	99	99
Administrative	100	100	96	100	99	99	99	100	99	97	99	99
Survey	NA											

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

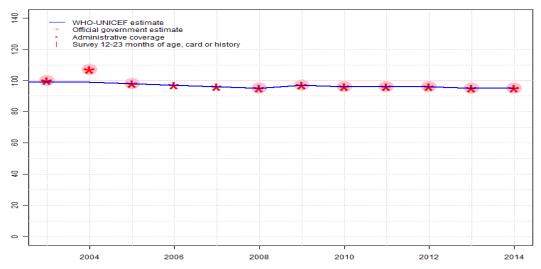
Description:

Coverage estimates for the second dose of measles containing vaccine are for children by the nationally recommended age.

- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on reported administrative estimate. Estimate challenged by: D-
- 2007: Estimate based on reported administrative estimate. Estimate challenged by: D-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

Kazakhstan - HepBB





	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	99	98	97	96	95	97	96	96	96	95	95
Estimate GoC	•	••	••	••	••	••	••	••	••	•	•	•
Official	100	107	98	NA	NA	95	97	96	96	96	95	95
Administrative	100	107	98	97	96	95	97	96	96	96	95	95
Administrative	100	101	00	0.	50	00		00	00	00	00	

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

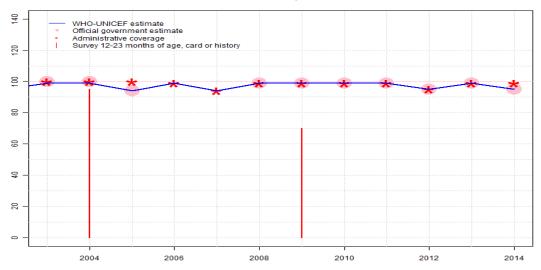
- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on interpolation between reported values. Reported data excluded. 107 percent greater than 100 percent. GoC=D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ D+
- 2006: Estimate based on reported administrative estimate. GoC=R+ D+
- 2007: Estimate based on reported administrative estimate. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-

Kazakhstan - HepB3





	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	99	99	94	99	94	99	99	99	99	95	99	95
Estimate GoC	•••	•••	•••	•••	•	•	•	•	•	••	••	•
Official	100	100	94	NA	NA	99	99	99	99	95	99	95
Administrative	100	100	100	99	94	99	99	99	99	95	99	99
Survey	NA	95	NA	NA	NA	NA	70	NA	NA	NA	NA	NA

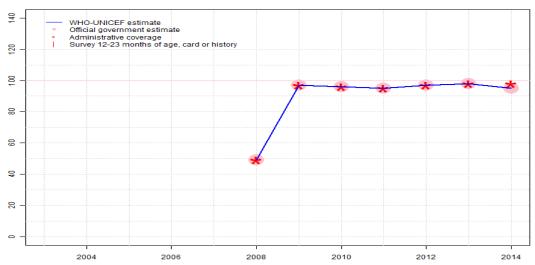
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- •• Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2003: Estimate based on reported data. GoC=R+S+D+
- 2004: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2006: Estimate based on reported administrative data. GoC=R+S+D+
- 2007: Estimate based on reported administrative data. Estimate challenged by: S- $\,$
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2009: Estimate based on coverage reported by national government. Multiple Indicator Cluster Survey in the Republic of Kazakhstan 2010-2011 results ignored by working group. Survey result may not reflect successful introduction of DTP-HepB-Hib introduction.Multiple Indicator Cluster Survey in the Republic of Kazakhstan 2010-2011 card or history results of 70 percent modified for recall bias to 80 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 76 percent and 3d dose card only coverage of 63 percent. Estimate challenged by: S-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: S- $\,$
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-





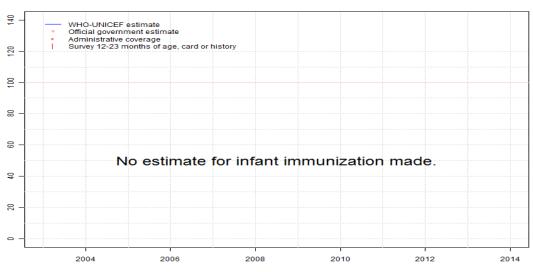
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	NA	NA	NA	NA	NA	49	97	96	95	97	98	95
Estimate GoC	NA	NA	NA	NA	NA	••	••	••	••	••	••	•
Official	NA	NA	NA	NA	NA	49	97	96	95	97	98	95
Administrative	NA	NA	NA	NA	NA	49	97	96	95	97	98	98
Survey	NA											

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2008: Estimate based on coverage reported by national government. Hib vaccine introduced in 2008. GoC=R+ D+ $\,$
- 2009: Estimate based on coverage reported by national government. Increase attributed to successful introduction. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-



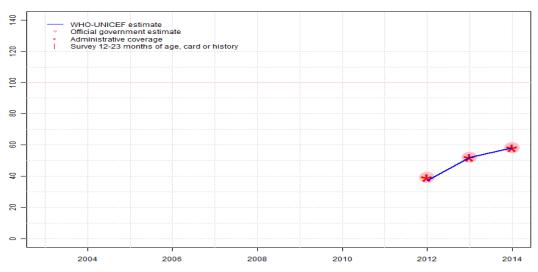


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	NA											
Estimate GoC	NA											
Official	NA											
Administrative	NA											
Survey	NA											

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- •• Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.





	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	NA	37	52	58								
Estimate GoC	NA	•	••	••								
Official	NA	39	52	58								
Administrative	NA	39	52	58								
Survey	NA											

- ••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- •• Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

- 2012: Coverage of 39 percent achieved in 96 percent of the population. Estimate is based on annualized coverage for the national birth cohort. Estimate challenged by: R-
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

Kazakhstan - survey details

2009 Multiple Indicator Cluster Survey in the Republic of Kazakhstan 2010-2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H $<$ 12 months	99	$15-26~\mathrm{m}$	-	66
BCG	Card	96	$15\text{-}26~\mathrm{m}$	-	66
BCG	Card or History	100	$15\text{-}26~\mathrm{m}$	1076	66
BCG	History	3	$15\text{-}26~\mathrm{m}$	-	66
DTP1	C or H $<$ 12 months	98	$15\text{-}26~\mathrm{m}$	-	66
DTP1	Card	95	$15\text{-}26~\mathrm{m}$	-	66
DTP1	Card or History	99	$15\text{-}26~\mathrm{m}$	1076	66
DTP1	History	4	$15\text{-}26~\mathrm{m}$	-	66
DTP3	C or H $<$ 12 months	93	$15\text{-}26~\mathrm{m}$	-	66
DTP3	Card	94	$15\text{-}26~\mathrm{m}$	-	66
DTP3	Card or History	97	$15\text{-}26~\mathrm{m}$	1076	66
DTP3	History	3	$15\text{-}26~\mathrm{m}$	-	66
HepB1	C or H $<$ 12 months	96	$15\text{-}26~\mathrm{m}$	-	66
HepB1	Card	76	$15\text{-}26~\mathrm{m}$	-	66
HepB1	Card or History	97	$15\text{-}26~\mathrm{m}$	1076	66
HepB1	History	20	$15\text{-}26~\mathrm{m}$	-	66
HepB3	C or H $<$ 12 months	67	$15\text{-}26~\mathrm{m}$	-	66
HepB3	Card	63	$15\text{-}26~\mathrm{m}$	-	66
HepB3	Card or History	70	$15\text{-}26~\mathrm{m}$	1076	66
HepB3	History	7	$15\text{-}26~\mathrm{m}$	-	66
MCV1	C or H $<$ 12 months	89	$15\text{-}26~\mathrm{m}$	-	66
MCV1	Card	90	$15\text{-}26~\mathrm{m}$	-	66
MCV1	Card or History	94	$15\text{-}26~\mathrm{m}$	1076	66
MCV1	History	3	$15\text{-}26~\mathrm{m}$	-	66
Pol1	C or H $<$ 12 months	99	$15\text{-}26~\mathrm{m}$	-	66
Pol1	Card	96	$15\text{-}26~\mathrm{m}$	-	66
Pol1	Card or History	99	$15\text{-}26~\mathrm{m}$	1076	66
Pol1	History	4	$15-26~\mathrm{m}$	-	66
Pol3	C or H $<$ 12 months	81	$15\text{-}26~\mathrm{m}$	-	66
Pol3	Card	86	$15\text{-}26~\mathrm{m}$	_	66
Pol3	Card or History	88	$15-26~\mathrm{m}$	1076	66
Pol3	History	2	$15\text{-}26~\mathrm{m}$	-	66

2004 Kazakhstan	Multiple	${\bf Indicator}$	Cluster	Survey	2006
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				G 1	G 1
	Confirmation method	_	~	-	
BCG	C or H <12 months	98	15-26 m	991	95
BCG	Card	95	15-26 m	991	95
BCG	Card or History	100	15-26 m	991	95
BCG	History	4	15-26 m	991	95
DTP1	C or H <12 months	98	15-26 m	991	95
DTP1	Card	96	15-26 m	991	95
DTP1	Card or History	99	$15-26 \mathrm{m}$	991	95
DTP1	History	4	$15-26 \mathrm{m}$	991	95
DTP3	C or H < 12 months	92	15-26 m	991	95
DTP3	Card	96	$15-26 \mathrm{m}$	991	95
DTP3	Card or History	98	$15-26 \mathrm{m}$	991	95
DTP3	History	2	$15\text{-}26~\mathrm{m}$	991	95
HepB1	C or H < 12 months	94	$15\text{-}26~\mathrm{m}$	991	95
HepB1	Card	95	$15\text{-}26~\mathrm{m}$	991	95
HepB1	Card or History	95	$15\text{-}26~\mathrm{m}$	991	95
HepB1	History	0	$15\text{-}26~\mathrm{m}$	991	95
HepB3	C or H $<$ 12 months	92	$15\text{-}26~\mathrm{m}$	991	95
HepB3	Card	95	$15\text{-}26~\mathrm{m}$	991	95
HepB3	Card or History	95	$15\text{-}26~\mathrm{m}$	991	95
HepB3	History	0	$15\text{-}26~\mathrm{m}$	991	95
MCV1	C or H <12 months	95	$15-26~\mathrm{m}$	991	95
MCV1	Card	96	$15-26~\mathrm{m}$	991	95
MCV1	Card or History	99	$15-26~\mathrm{m}$	991	95
MCV1	History	4	$15-26~\mathrm{m}$	991	95
Pol1	C or H <12 months	99	$15-26~\mathrm{m}$	991	95
Pol1	Card	95	$15-26~\mathrm{m}$	991	95
Pol1	Card or History	100	$15-26~\mathrm{m}$	991	95
Pol1	History	4	$15-26~\mathrm{m}$	991	95
Pol3	C or $H < 12$ months	94	$15-26~\mathrm{m}$	991	95
Pol3	Card	95	$15-26~\mathrm{m}$	991	95
Pol3	Card or History	97	$15-26 \mathrm{\ m}$	991	95
Pol3	History	1	$15\text{-}26~\mathrm{m}$	991	95

1998 Kazakhstan Demographic and Health Survey 1999, 2000

Vaccine Confirmation method Coverage Age cohort Sample Cards seen BCG Card 90 12-23 m 244 -

Kazakhstan - survey details

DTP1	Card	90	12-23 m	244	-	Pol1	Card	90	$12\text{-}23~\mathrm{m}$	244	-
DTP3	Card	89	$12\text{-}23~\mathrm{m}$	244	-	Pol3	Card	83	$12\text{-}23~\mathrm{m}$	244	-
MCV1	Card	70	$19_{-}93 \text{ m}$	244	_						

Further information and estimates for previous years are available at:

http://www.data.unicef.org/child-health/immunization

http://www.who.int/immunization/monitoring_surveillance/routine/coverage/en/index4.html